W 3 Approved Stock Form—State Publishing Co., Helena, Montana—39318

File No.....

T 17N R 9E

DUPLICATE

County JUDITH BASIN

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

#1 1961 developed

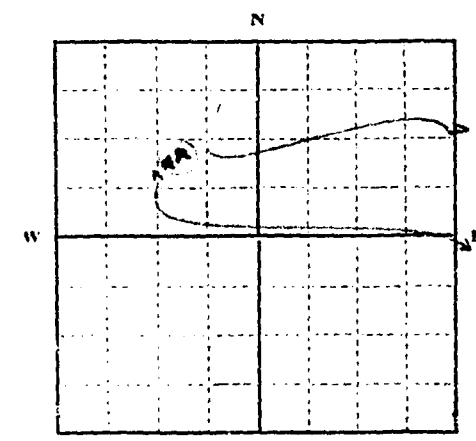
Date of Appropriation of Groundwater SINCE 1900

Owner David J McKay Address Raynesford

Contractor (if any) J RAU

Address of Contractor Moore

Date Started May '61 Date Completed MAY 61



NW 1/4 SE 1/4 NW 1/4
.....1/4..... Sec. 20 T. 17N R. 9E

Indicate point of appropriation and place of use, if possible.

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable

#1 Developed springs black pipe and tanks
10 gals per min
#2 undeveloped spring 5 gals per min.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use Continuous

Signature of Owner David McKay

Date 12-31-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

32892

File No. 616

David J. McKay

SE¼/NW¼ Sec. 20-17-9

State of Montana

County of Judith Basin

Filed for record this

31st day of Dec. A. D. 1963

at 3:59 P. M.

Debbie Leslie
County Clerk

Fee $2.00 Paid.

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. .....

T 17 R 9

DUPLICATE

County Judith Basin

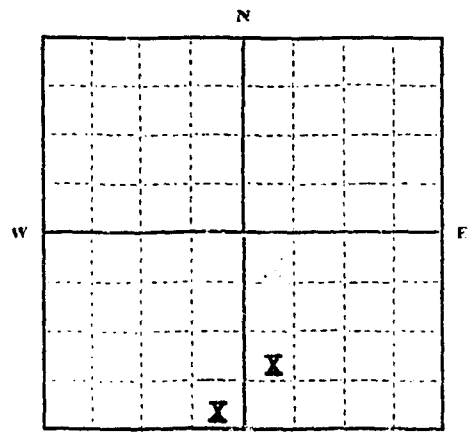
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Arthur and Regina Backa, of R. R. Geyser,
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Pt. NE¼SW¼ - Pt. SW¼SW¼ SE¼SW¼ - SE¼ ¼ Sec. 21 T. 17 R. 9

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based livestock and irrigating

3. Date or approximate date of earliest beneficial use; and how continuous the use has been over 20 years, and continuous since this time;

4. The amount of groundwater claimed (in miner's inches or gallons per minute) not known

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof wheat and grazing land, approximately 100 acres; owner as above;

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal does not apply

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater does not apply

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater does not apply

10. The estimated amount of groundwater withdrawn each year not known

11. The log of formations encountered in the drilling of each well if available not known; (does not apply)

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Arthur Backa
Signature of Owner

Date December 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32815

File 559

Arthur and Regina
Backs
Sec. 21-17-9

State of Montana
County of Judith Basin

Filed this 31st
day of December A.D.
1963 at 2:36 o'clock
P.M.

County Clerk.

Fee $2.00 Paid.

GW Helena Independent Record

File No. .....

T 17N R 9E

DUPLICATE

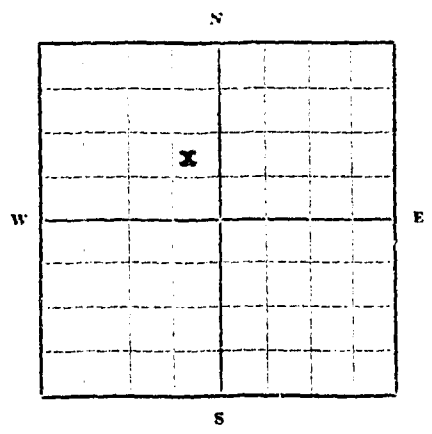
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Donald and Helen McAllister of Geyser
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE
SE ¼ NW Sec. 26 T. 17 R. 9

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1962 summer pasture

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal plus per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Feb. 3, 1962 Feb. 14, 1962

8. The depth of water table 48 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4" casing to 168 feet remainder 2" casing 315 feet deep

10. The estimated amount of groundwater withdrawn each year not known

11. The log of formations encountered in the drilling of each well if available

0 to 38 overburden gravel, red shale
38 to 58 hard sandstone
58 to 72 shale with sandstone layers
72 to 107 hard sandstone
107 to 151 med sandy shale & hard sandstone
151 to 154 muddy shale
154 to 170 med sandstone & shale layers
170 to 188 hard sandstone
188 to 193 red shale
193 to 218 hard sandstone
218 to 315 med to hard sandstone

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Donald McAllister

Date Jan. 8, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

3287

Vested Groundwater Rights
Donald McAllister

NE¼SE¼ Sec. 26-17-9

120631

State of Montana
County of Judith Basin
Filed for record this
8th day of Jan. A.D. 1963 at
1:10 o'clock P.M.
Delight Leeli, Clk. & Rec.

by _____ Dep.

Fee $2.00 pd.

C —Helena Independent Record

File No. .....

T 17N R 9E

DUPLICATE

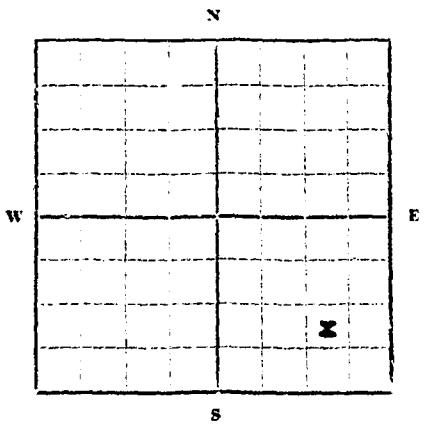
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Donald and Helen McAllister (Name of Appropriator) of Geyser (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW SE ¼SE Sec. 26 T 17 R 9

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based House supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 1951

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 11 gal. per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dec. 15, 1950 Jan. 3, 1951

8. The depth of water table 20 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater total depth 91 feet with 7" casing

10. The estimated amount of groundwater withdrawn each year Not known

11. The log of formations encountered in the drilling of each well if available
0 to 45 feet gravel and red shale
45 to 55 [illegible] rock
55 to 65 red shale
65 to 91 gray lime

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Donald McAllister

Date Jan. 8, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

Dec. Cr. Rights
Donald McAllister

NWSESE Sec. 26-27-9

120630

State of Mon ana
County of Judith Basin
Filed for record this 8th day of
Jan.A.D. 1963 at 1:05 o'clock P.M.
Delight Leslie, Clk. & Rec.

by _____ Dep.

Fee $2.00

GW 2

File No.

DUPLICATE

T R

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 4 1963
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level)

Layers of Red yellow + green sandy shale

Hard + soft, Coarse sandstone

Water

Soft sandstone

Hard limey sandstone

Bottom

Owner Henry Karjala Address Geyser, Mont.

Driller O. C Thatcher Address Stanford, Mont

Date of Notice of Appropriation of Groundwater

Date well started March 20, 62 Date Completed March 26, 62

Type of well drilled (dug, driven, bored or drilled) Equipment Used rotary (Churn, drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
5 5/8	4" std. 11# Galv. pipe	0	129	1/4 x 4" slots	112	129

N

W E

S

X NE 1/4 NE Sec. 27 T 17 R 9

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well 20 feet.

Shut-in Pressure for Flowing Well N. A.

Pumping Water Level 80 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well N.A.

How Tested ~~Bailer~~ Compressor Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Packer set at 20'
Cemented in

86
Driller's License Number

Edward Thatcher
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

Well 258

Henry Karjala

121721

State of Montana
County of Judith Basin
Filed for record this
28th day of Oct. A.D. 1963
at 1:10 o'clock P.M.

Delight Leslie, Clk. & Rec.

by Betty Cruikshank Dep.

$2.00 pd.

GW

File No.....

T. 17N R. 9E

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

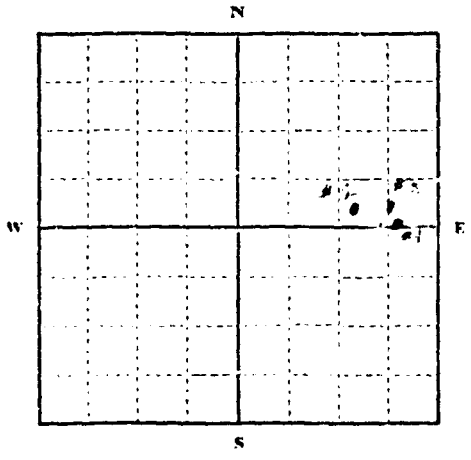
JAN 15 1964

STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Walter S. Thisted (Name of Appropriator), of 1127 Fourth Avenue N., Great Falls (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962 as follows:



SE ¼ NE ¼ Sec. 28 T. 17N R. 9E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Human and animal consumption, and domestic irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well No. 1 continuous from [illegible], Well No. 2 continuous from May 1957, Well No. 3 continuous from May 1957

4. The amount of groundwater claimed (in miner's inches or gallons per minute) No. 1 30 gpm, No. 2 40gpm, No. 3 [illegible]

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Domestic garden plot 1/4 acre

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pumped wells as located on Section diagram

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well No. 1 completed 1943, Well No. 2 completed May 1957, Well No. 3 completed May 1957

8. The depth of water table Well No. 1 260 high 273 low, Well No. 2 165 high 211 low, Well No. 3 50 high 60 low

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well No. 1 273' of 4-1/2 OD casing 2" ID outlet, Well No. 2 211' of 4-1/2" OD casing 2" ID outlet, Well No. 3 60' of 6-5/8" OD casing 2" ID outlet.

10. The estimated amount of groundwater withdrawn each year 2,250,000 gal.

11. The log of formations encountered in the drilling of each well if available Well No. 1 probably same as Well No. 2 which follows: to-8' clay, -12 rock, -20 clay, -24 sandstone, -32 shale, -58 sandstone, -95 redbed, -117 limestone, -140 sandstone and redbed, -150 limestone, -165 soft sandstone, and -211 sandstone. Well No. 3 to -7 clay, -11 rock, -30 sandy shale, -42 sandstone, -60 redbed.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Well Drill Reports for Wells No. 2 & 3 of William M. Colquitt, Driller.

Signature of Owner Walter S. Thisted

Date Dec. 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32765

#489

VESTED GROUND WATER RIGHTS

WALTER S. THISTED

Sec. 28-17-9

State of Montana
County of Judith Basin
Filed for record this
31st day of Dec. A.D. 1963
at 10:00 o'clock A.M.
Delight Leslie, Clerk & Rec.

by _____ Dep.

Fee $2.00 pd.

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42262

File No.................................. T. 17 R. 9

DUPLICATE County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Jan 1973

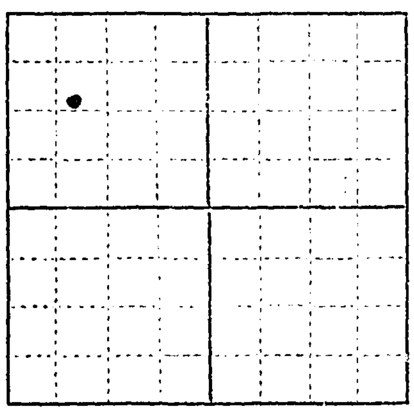
Owner Conrad S. Fehr Address Raynesford, Mont.

Contractor (if any) ....

Address of Contractor ....

Date Started.............................. Date Completed..............................

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable spring natural ground level and flow to dam



NW 1/4 NW Sec. 30 T. 17 R. 9
Indicate point of appropriation and place of use, if possible.

1421
6-29-73
4:10 p.m.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use for watering livestock, all there is

Signature of Owner Conrad S. Fehr

Date June 27, 1973

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

5?,793

#792

BODNER, CONRAD S.

WATER APPROPRIATION

NWNW Sec. 30-17-9

STATE OF MONTANA
County of Judith Basin

Filed for record this 29th
day of June A.D. 1973 at
4:10 p.m.

Delight Leslie Co.Clk

Mary Lee Barker Deputy

GW 3 | Approved Stock Form—State Publishing Co., Helena, Montana—42262 | 37

File No. ....

T. 17 R. 9

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

RECEIVED
JUL 3 1973
MONT[illegible] OF NATURAL RESOURCES AND CONSERVATION

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1925

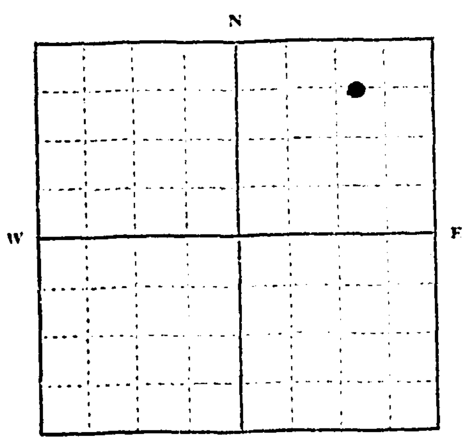
Owner J. W. Bodner Address Raynesford, Mont

Contractor (if any) ....

Address of Contractor ....

Date Started .... Date Completed ....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable natural spring and ground flow



NE 1/4 NE Sec. 31 T. 17 R. 9

Indicate point of appropriation and place of use, if possible.

189
6-29-73
3:55 p.m.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use used for watering livestock. amount used is all there is

Signature of Owner J. W. Bodner

Date June 29, 1973

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

53239

#789

BODNER, J. W.

WATER APPROPRIATION

NENE Sec. 31-17-9

STATE OF MONTANA
County of Judith Basin
Filed for record this 29th
day of June A.D. 1973 at
3:55 p.m.

Delight Leslie Co. Clk

Mary Lu Baker Deputy

GROUNDWATER INDEX

Page ____ of ____

County Judith Basin Twp. 17 N Rge. 16 E

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Rautio, Earl	GW-2	130746	
3	Anderson, Sigurd E. & Emma J.	GW-4	122064	
5	Potocek, Leo or Hazel	"	122208	
5	Dickson, Lawrence & Edith	Well Log	—	
6	Judith Basin County	" "	—	
6	Geyser Artesian Well Assn.	GW-4	121936	
6	Annala, John W.	"	119[illegible]	
7	Williams, Anna	"	121[illegible]	
9	Harlan, Cole	GW-3	7-3	
10	" "	"	7-4	
11	Antila, Ed	GW-2	12[illegible]	
16	[illegible]	GW-2	133[illegible]	
16	Antila, Edward J.	Well Log 18	[illegible]	
16	" " "	" "	[illegible]	
18	Williams, Anna	GW-4	121523	
19	Evans Bros.	"	686	
20	Huotari, Ben & Sons	"	122038	
22	Evans, Robert D.	"	481	
24	Lee, W.E. & Sons	"	122[illegible]	
26	" " "	"	122[illegible]	
27	Oja, Charles R.	"	388	
29	Huotari, Ben & Sons	"	122[illegible]	
29	Sandmeyer, Vincent R.	"	689	
31	McAllister, [illegible]	"	122[illegible]	
31	Van Horn, Charles	"	118[illegible]	
32	" " "	"	118[illegible]	
32	" " Anne	GW-2	117[illegible]	
33	Shelton Ranch Co.	GW-4	121[illegible]	
33	[illegible] Ranch	GW-2	?	
35	Evans, Robert D. & Dorothy M.	GW-4	4[illegible]	

GW 2

Approved Stock Form—State Publishing Co., Helena, Montana—50551

File No.....

T 17N R 10E

DUPLICATE

County Judith Basin

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Top of Ground

(Elev. above sea level.....)

0 -- 2 --Some gravel in yellow clay

2 - 44 - Sandy yellow shale

44 - 73 - Blue-black shale and bentonite

73 - 101 -- Light gray lime and gray sandy layers. Some gypsum. Contains water.

101 - 108 -- Bentonite

108 - 200 -- Gray-black shale. Occasional hard layers

200 - 210 -- Bentonite

210 - 245 -- Black shale and sandy layers Contains water.

245 - 300 -- Sandstone, Dark gray Contains water.

300 -- Bottom

Show exact depth of bottom.

Owner Earl Rautio Address Geyser, Montana

Driller Larry Jennings Address Lewistown, Montana

Date of Notice of appropriation of groundwater.....

Date well started 9 - 23 - 71 Date completed 9 - 28 - 71

Type of well Drilled (Dug, driven, bored or drilled) Equipment used Rotary (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

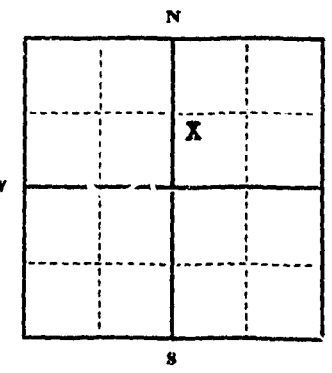
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6"	4½" O.D. 6 3/4# Galv.	0	300	Torch Cut Slots	73	101
					210	300

#740

Doc. No. 120746

Filed for record this 22 day of Nov A. D. 19 71, at 11:30 o'clock A M.



W½W½E½ ¼ Sec. 1 T. 17N R. 10E

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 39 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 80 feet at approx. 10 gal. per minute.

Discharge in gal. per min. of flowing well .....

How Tested Bailer

Length of Test ½ hour

Remarks: (Gravel packing, cementing, packers, type of shutoff) Packers set at 60'

.....(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

144
Driller's License Number

Larry Jennings
Driller's Signature.

49453

130746 #740

Drilled Well -

Earl Rautio

W½W½E½ Sec. 1, T.-17, Rge.10

State of Montana
County of Judith Basin

Filed for record this 22nd
November 1971 A. D. at 11:30 A.M.

Delight Leslie, County Clerk
By Marian B. Maclean Deputy

Fee: $2.00 pd.

C -Helena Independent Record

File No.

T. 17 R. 10

DUPLICATE

County Judith Basin

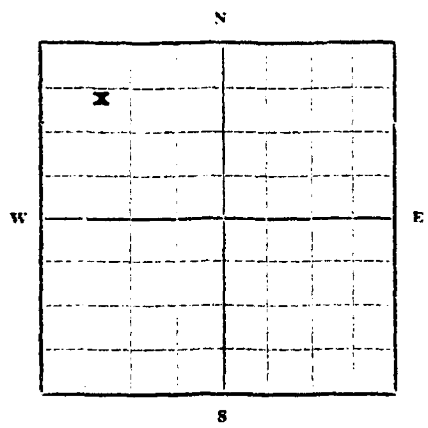
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Sigurd E. Anderson and Emma J. Anderson of ______ (Address) Geyser (Town)
(Name of Appropriator)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW/4NW/4 1/4 Sec. 3 T. 17 R. 10

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1940 and is in use durin- summer months.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 17 gallons

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Pump with gas motor installed.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in 1940 and completed that year.

8. The depth of water table 12 Ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Dug well-- 20 to 25 ft in depth.
Wood cribbing installed.

10. The estimated amount of groundwater withdrawn each year Not known.

11. The log of formations encountered in the drilling of each well if available
No Log.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
None

Signature of Owner Sigurd E. Anderson

Date Dec. 20th, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

32615

#338

VESTED GROUNDWATER RIGHTS
SIGURD E. ANDERSON

NWNW Sec. 3-17-10

122065

State of Montan
County of Judith Basin
Filed for record this 20th
day of Dec. A.D. 1963 at
2:25 o'clock P.M.
Delight Leslie, Clerk & Rec.

by _____ Dep.

Fee $2.00 pd.

GW Helena Independent Record

File No. .....

T. 17 R. 10

DUPLICATE

County. Judith Basin

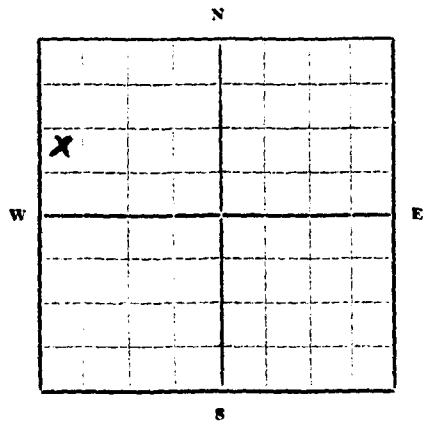
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 16 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Leo or Hazel Petesch (Name of Appropriator) of (Address) Geyser (Town)
County of Judith Basin State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW NW¼ ¼ Sec. 5 T. 17 R. 10

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic and Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Artesian well- drilled 1946

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Yard and Garden in the same description

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled in 1946 by O. C. Thatcher.

8. The depth of water table - - - -

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 608 ft. in depth.

10. The estimated amount of groundwater withdrawn each year Not known

11. The log of formations encountered in the drilling of each well if available No log available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None.

Signature of Owner Leo Petesch

Date Dec. 16th, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

32584

307

Reception Book No.122309

Lep and Hazel Petesch

SW NW Sec. 5-17-10

State of Montana

County of Judith Basin

Filed this 16th day of

December A. D. 1963 at

11:00 A.M.

County Clerk.

Fee $2.00 Paid.

RECEIVED

STATE ENGINEER

T. 17 R. 10

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Lawrence & Edith Dickson Address Geyser, Montana

Driller O. C. Thatcher Address Stanford, Montana

Date Started July 20, 1958 Date Completed August 6, 1958

Location: Sec. 5 T. 17 R. 10 ¼ sec. SE SW

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used rotary (Churn drill, rotary, other)

Water use: Domestic [x] Municipal [ ] Stock [x] Irrigation [x]

Industrial [ ] Drainage [ ] Other:

Casing: ~~200~~ 0 ft. to 32° ft. Type Galv. pipe Size 2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 40 to ft. Ft. to ft.

Type of screen or perforations cut slits

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 30 lb./sq. in. on: October 15, 1958 (date)

Pumping water level feet at 5 to 8 gal. per min.

How tested: 5 gal. bucket

Length of test 1 min.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Cemented in. Depth of shut-off is 6 ft.

(over)

Log of Well

Depth, feet From	To	Description of Material Drilled
0	15	Overburden
15	175	Layers of blue sandy Shale and Sandstone
175	293	Red Shale
293	310	Layers of Sandstone and Red Shale
310	318	Medium Hard Sandstone
318	325	Soft Sandstone (Water)
325	329	Hard Sandstone

Filed in office of Clerk and Recorder, Judith Basin County, Montana this 20th day of March A. D., 1959 at 11:45 o'clock A.M.
Dalignt Leslie
County Clerk.

6

RECEIVED

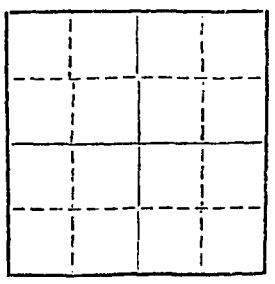
T. 17 R. 10

County Judith Basin

STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Judith Basin County Address Stanford, Montana

Driller C. B. Singley Address Lewistown, Mont.

Date Started August, 1934 Date Completed Oct. 1934

Location: Sec. 6 T. 17 R. 10 ¼ sec. Block 7, Geyser 1st Addition S E Corner

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used Rotary (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☒ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 410 ft. Type Galvanized Size 5"

Casing: 410 ft. to 510 ft. Type " Size 4"

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. ~~200~~ 410 to ft. 510 Ft. to ft.

Type of screen or perforations - - - -

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well): 65 lb./sq. in. on: Oct. 1934 (date)

Pumping water level Artesian feet at 250 to 300 gal. per min.

How tested: - - - -

Length of test - - - -

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Cement packing -- Valve Shut-off, 6 ft. down.

(over)

Log of Well

Depth. feet From	Depth. feet To	Description of Material Drilled
0	28	Drift
28-	54	Gumbo Shale
54	90	Hard Black Shale
90	137	Hard Gray Shale
137	142	Hard Red Shale
142	165	Hard Light Green Shale
165	195	Hard & Sticky Gray Shale
195	217	Hard & Sticky Green Shale
217	220	Gray Shale
220	242	Soft Brown Shale
242	268	Red Shale
268	272	Gray Shale
272	290	Green Shale
290	295	Soft Red & Grey Shale
295	307	Gray Shale
307	314	Red Shale
314	320	Hard Red Rock
320	343	Buff and Gray Shale
343	348	Hard White Rock
348	360	Hard Gray Lime
360	380	Ex. hard fine sand-1st Kootenai Water 10' of surface
380	410	Hard Green shale & gray sandstone.
410	430	Gray Sandstone- Flowing water about 15 G. P.M.
430	436	Green Shale
436	440	Gray Shale
440	450	White Limestone water increased to 25 g.p.m.
450	460	Hard Conglomerate- water increased to about 100 g.p.m.
460	470	Black Course- Grained Sand
470	484	Hard Brown Sandy Shale
484	493	Hard Green Shale
493	496	Hard Brown Sandstone
496	500	Very hard gray rock- estimated flow to 300 g.p.m.

Helena Independent Record

File No. .....

T. 17 R. 10

DUPLICATE

County Judith Basin

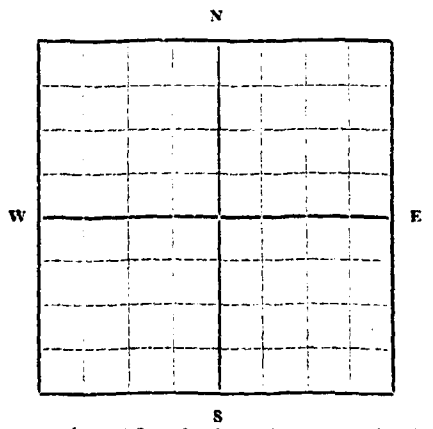
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 21 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Geyser Artesian Waterworks Association of Geyser
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 4, Block 7, Geyser 1st Add.

.....¼..... Sec. 6 T. 17 R. 10

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Town of Geyser

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Started August, 1934 and Completed Oct. 1934- Redrilled to 110 feet more in September 1953. In continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 250 to 300 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing Well -- No pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in August, 1934 and drilled to 500 Ft. in Oct. 1934-- Drilled to 110 more feet in Sept. 1953.

8. The depth of water table Not known.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 610 ft. in depth. Casing to 410 galvanized 5" pipe-- 410 ft. to 610 galvanized 4" casing. Cement packing- Valve Shut-off, 6 Ft. down.

10. The estimated amount of groundwater withdrawn each year Not known.

11. The log of formations encountered in the drilling of each well if available See Reverse Side.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record This well was previously filed under a Water Well Log as File No. 44 under Judith Basin County. This well and lots has now been deed to the Geyser Artesian Waterworks Association.

GEYSER ARTESIAN WATERWORKS ASSOCIATION

Signature of Owner By Lemuel F. Nolan
President.

Date Nov 19-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

LOG OF WELL

Drilled 1954 by
C.B. Singley-Lewistown, Mont.

0	28	Drift
28	54	Gumbo Shale
54	90	Hard Black Shale
90	137	Hard Gray Shale
137	142	Hard Red Shale
142	165	Hard Ligh Green Shale
165	195	Hard & Sticky Gray Shale
195	217	Hard & Sticky Green Shale
217	220	Gray Shale
220	242	Soft Brown Shale
242	268	Red Shale
268	272	Gray Shale
272	290	Green Shale
290	295	Soft Red & Grey Shale
295	307	Gray Shale
307	314	Red Shale
314	320	Hard Red Rock
320	343	Buff and Gray Shale
343	348	Hard White Rock
348	360	Hard Gray Lime
360	380	Ex. hard fine Sand -1st Kootenai Water 10' of surface
380	410	Hard Green Shale & Gray Sandstone.
410	430	Gray Sandstone-flowing water about 15 G. P.M.
430	436	Green Shale
436	440	Gray Shale
440	450	White Limestone Water increased to 25 G.P.M.
450	460	Hard conglomerate-water increased to about 100 G.P.M.
460	470	Black Course-Grained Sand
470	484	Hard Brown Sandy Shale
484	493	Hard Green Shale
493	496	Hard Brown Sandstone
496	500	Very Hard Gray rock- estimated flow to 500 G.P.M.

Drilled Sept. 7, 1955--Driller, Edward Thatcher, Stanford

500	506	White Limestone
506	531	Alternating Layers rotten Limestone and hard red shale
531	595	White Sand(some water between 545-580
595	610	White & Black Sand (increased water) Hit coal at 610.

. . 2 .

Geyser Irrigation Waterworks

Lot 4, Blk 7, Geyser Lots

121836

State of Montana
County of Judith Basin
Filed for record this 1
day of Nov. at 10:0[illegible] o'clock
A.M. 1963 A.D.
Dolight Leslie, Clk.

by_____

Deputy.

No Fee

G

File No. .....

T 17 R 10

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

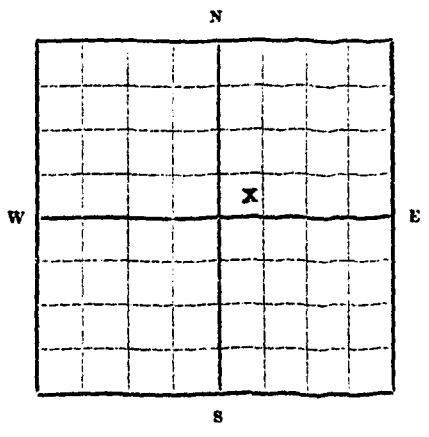
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. John W. Annala, of Geyser
(Name of Appropriator) (Address) (Town)

County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW NE of Sec. 6-17-10
¼ Sec. T. R.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July, 1950 first appropriated and used continuously since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 52 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing well (No pump)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in July, 1950 and completed that year.

8. The depth of water table Not known

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 701 feet deep. 300 ft. 5" liner set at 701 feet.

10. The estimated amount of groundwater withdrawn each year Not known

11. The log of formations encountered in the drilling of each well if available (See other side)

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Has a 4" gate valve installed by never been used.

Signature of Owner John W. Annala

Date January 3rd, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1056

Judith Basin

John W. Annala

Doc. No. 118682
DECLARATION OF VESTED
GROUNDWATER RIGHTS
JOHN W. ANNALA
S½NE¼ Sec. 6-17-10

STATE OF MONTANA
Judith Basin County
Filed this 3rd day of January
1962 at 2 o'clock P.M.
[signature]
County Clerk.

$2.00 Paid

Log of Well

0	2	Surface Soil
2	10	Yellow Surface Clay & Gravel
10	30	" " (2[illegible] gal per hr)
30	134	Blue Shale
134	138	Shell Rock
138	151	Blue Shale
151	160	Rock shell
160	174	Blue shale
174	180	Grey Lime
180	215	Blue shale
215	230	Red shale
230	235	Blue shale (light)
235	320	Blue shale (Very Sandy)
320	345	Red shale
345	351	Blue shale
351	405	Red shale
405	414	Blue Shale
414	418	Red Shale
418	424	Blue shale
424	450	Black Rock hard (water flowing)
6" invasion pipe set at 437 ft.		
450	456	Blue shale
456	466	Black Rock (hard)
Small increase in water at 456 ft.		
466	487	Grey Lime
487	495	Blue shale
495	500	White Lime
500	510	Grey Shale
510	551	Grey Lime
551	556	Dark Grey Lime
561	568	Light Grey Lime
568	580	Red Shale
580	620	White Lime (Increase of water)
Large Increase at 620'		
620	700	Dark Grey Sandy Lime
700	701	Black Shale

G - Helena Independent Record

File No. .....

T. 17 R. 10

DUPLICATE

County Judith Basin

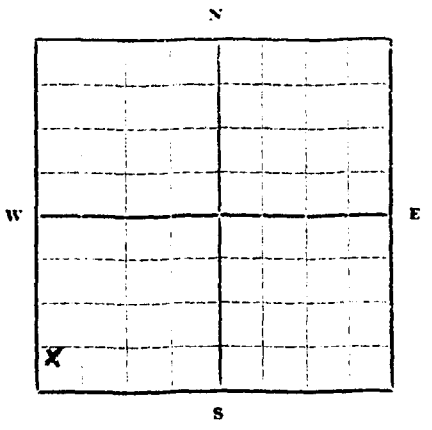
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 14 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Anna Williams of Geyser
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW/SW/
¼ Sec. 7 T17 R. 10

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well drilled in October 1956 and was drilled by O. C. Thatcher of Stanford, Montana- used year around.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Approximately 10 gallons

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing well, no pump installed.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in October 1956 and completed that year.

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 236 ft in depth,-and 2" casing installed for 236 ft. Shut-off installed.

10. The estimated amount of groundwater withdrawn each year Not known

11. The log of formations encountered in the drilling of each well if available No log available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Anna Williams

Date Nov. 14th, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

#263

Vested Groundwater Rights

Anna Williams

SW¼SW¼ Sec ~~13~~ 7/17/10

121824

State of Montana
County of Judith Basin
Filed for record this
14th day of Nov. A.D. 1963
at ~~2:00~~ 11:05 o'clock A.M.
Delight Leslie, Clk. & Rec.
by Betty Creekmore Dep.

$2.00 pd.

GW 3 Approved Stock Form—State Publishing Co., Helena, Montana—42262 9

File No..............................

T. 17N R. 10E

DUPLICATE County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED
JU... 1974
MONTANA ... DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

Date of Appropriation of Groundwater June 28, 1973

Owner Gale Harlow Address Geyser, Mont

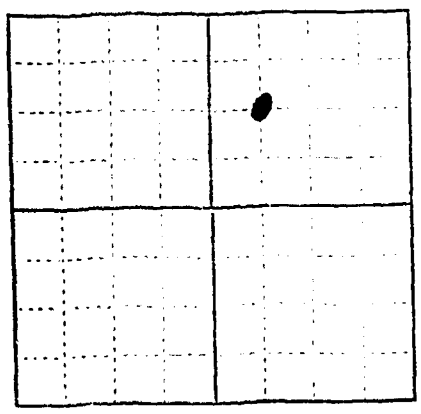
Contractor (if any) ....

Address of Contractor ....

Date Started Dec/10/73 Date Completed Jan 4/1972

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable spring Development backhole dug 5' deep.

N

W  E

S

....¼.... Sec. 9 T. 17N R. 10E

Indicate point of appropriation and place of use, if possible.

sec 9 Township 17N Range 10E
W ½ NE ¼

773
6-28-73
10 35 A.M.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use........ Livestock use on rotation basis

Signature of Owner Gale A Harlow

Date June 28, 1973

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

54759

#773

HARLOW, GALE A.

WATER APPROPRIATION

W½NE¼ Sec. 9, Twp 17, R 10

STATE OF MONTANA
County of Judith Basin

Filed for record this 28th day of

June A.D. 1973 at 10:35 a.m.

Delight Leslie Co. Clerk

Deputy

GW 3

RECEIVED ... 1973

Approved Stock Form—State Publishing Co., Helena, Montana 42262

File No. ....

T 17 N R 10E

DUPLICATE

County Judith Basin

...NATURAL RESOURCES AND CONSERVATION

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater June 28, 1973

Owner Gale Harlow Address Geyser, Montana

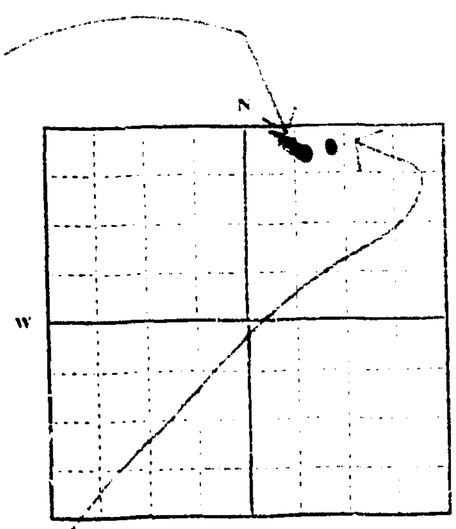
Contractor (if any) ....

Address of Contractor ....

Date Started Dec/10/72 Date Completed Jan 4/1973

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable Shallow spring development
1 Backhoe dug ditch and layed
pipe water flow 1½ pipe full
2 swamp for irrigation
300 gal Per minute

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use........................
Livestock use on no 1 Rotation
Basis.
no 2 Possible Irrigation
system.



.......¼....... Sec. 10 T17N R10E

Indicate point of appropriation and place of use, if possible.

1 Sec 10 township 17N
Range 10E NE ¼ NW ¼

2 Section 10 township 17 N Range 10E
N ½ NW ¼

Signature of Owner Gale a Harlow

Date June 28, 1973

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

#772

HARLOW, GALE A.

WATER APPROPRIATION

NE¼NW¼ Sec. 10, Twp 17, R 10
N½NW¼ Sec. 10, Twp 17, R 10

STATE OF MONTANA
County of Judith Basin

Filed for record this 28th day of
June A.D. 1973 at 10:30 a.m.

Delight Leslie Co. Clerk

Mary Lee Boe Deputy

GW 2 STATE WATER CONSERVATION BOARD Approved Stock Form—State Publishing Co., Helena, Montana—4232. 71

File No. JUN 1 1965 T. 17 R. 12

QUADRUPLICATE County

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.......................)

0	1	Topsoil
1	24	Gravel 21-24 water
24	27	Yellow clay

Owner Ed Antila Address Geyser, Montana

Driller George O. Sinclcy Address Lewistown, Montana

Date of Notice of appropriation of groundwater None

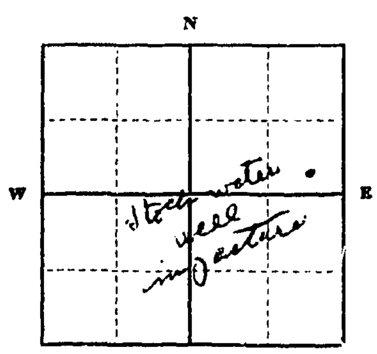
Date well started April 12, 1966 Date completed April 12, 1966

Type of well Drilled Equipment used Rotary
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
7-7/8"		0	27			
	6-5/8" OD 6¼ ID 11# Black	0	22			



SE¼ of NE¼ ¼ Sec. 11 T. 17 R. 12
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 6 feet.

Shut-in Pressure for Flowing Well 0

Pumping Water Level 22 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well 0

How Tested Bailer and Pump

Length of Test 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) water produced open end

....(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

19
Driller's License Number

Driller's Signature

4/1/66

#705

125265

Edward Antilla
Geyser, Montana

State of Montana
County of Judith Basin
Filed this 25th day of
May A.D. 1966 at 2:00 o clock
P.M.
Delight Leslie, Clk. & Rec.
by Betty Crutcher Dep

GW 2 Log # 22 6120-01-2310-31-00-02-1650
58' Lt. of Sta. 174+70

Approved Stock Form—State Publishing Co., Helena, Montana—423.

16

File No.....

T 17 N R 10 E 16

TRIPLICATE

County Judith Basin

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 8 - 1965
STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
Loose Brown gravel.
(Elev. above sea level 4327.1 ft.)

4.0' Tan to brown sandy silty gravel with some boulders and cobbles.

39.0' Brown clayey sand.

44.0' Reddish clay with some gravel.

51.0' Hard partially consolidated sand.

54.0' Clean medium gravel.

57.0' Bottom of casing. Yellow clay with some gravel.

61.0'

67.0' Bottomed hole in grey Colorado shale.

Show exact depth of bottom.

Owner Montana Highway Comm. Address Helena, Montana

Driller Montana Highway Comm. Address Helena, Montana

Date of Notice of appropriation of groundwater February 25, 1965

Date well started February 9, 1965 Date completed February 10, 1965

Type of well Drilled (Dug, Driven, bored or drilled) Equipment used Churn drill (Churn drill, rotary or other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Rest Area water supply.

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS Kind Size	From (Feet)	To (Feet)
6" ID	6-5/8" OD Steel, 19.88 lbs. per foot	0.0'	57.0'	NONE		
Recommend pump be set at 50 ft.						

N / E / S

SE ¼ Sec. 16 T 17N R 10E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well 32.0 ft. feet.

Shut-in Pressure for Flowing Well ———

Pumping Water Level 44.0 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well .....

How Tested pumped

Length of Test 3-1/2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) Surged to form gravel pack.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

WATER ANALYSIS:

pH	8.1
Marble pH	8.1
CO_2	22 p.p.m.
Phenolthalein Alkalinity	None
Methol Orange Alkalinity	2,052 p.p.m. of $CaCO_3$

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

None required.
Driller's License Number

Driller's Signature Mats. Engr.

2798

123947 #634

MONTANA HIGHWAY COMMISSION

State of Montana
County of Judith Basin
Filed for record this
4th day of March A.D. 1965 at 10:30
o'olock A.M.

Delight Leslie, Clk. & Rec.

by _____ DEP

16

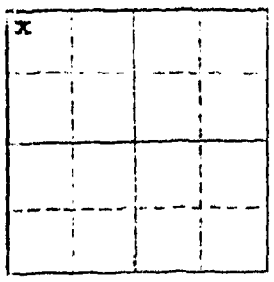
Form No. 18
8-60

T. 17 R. 10

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Edward J. Antila Address Geyser

Driller O. C. Thatcher Address Stanford

Date Started July 8, 1954 Date Completed July 17, 1954

Location: Sec. 16 T. 17 R. 10 ¼ sec. NW¼

Type of well Artesian Well (Dug, driven, bored, or drilled) Equipment used Rotary (Churn, drill, rotary, other)

Water use: Domestic [x] Municipal [ ] Stock [x] Irrigation [x]

Industrial [ ] Drainage [ ] Other

Casing: 0 ft. to 445 ~~360~~ ft. Type Galvanized Size 2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 10 to ft. . Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 48 lb./sq. in. on: Aug. 15 (date)

Pumping water level feet at 18 gal. per min.

How tested:

Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Have a cemented well six ft. deep with a 2" shut off valve 5' deep in the well.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	39	Overburden
39	115	Blue Shale
115	155	Grey shale
155	298	Red shale
298	325	Alternaing layers of sandstone & shale
325	333	Same as above
333	382	Sandstone with layers of hard sand
382	387	Shale sandstone
387	402	Shale sandstone
402	418	Hard sandstone
418	422	Soft talcy limestone
422	440	Soft granular soft salt and pepper sandstone
		Produces about 18 gal. water per min.
440	442	Red shale
		Filed Dec. 19, 1961 Water Well #81

12

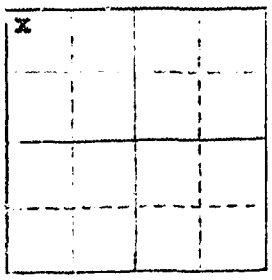
Form No. 18
8-60

T. 17 R. 10

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Edward J. Antila Address Geyser, Montana

Driller O. C. Thatcher Address Stanford, Montana

Date Started April 15, 1946 Date Completed April 20, 1946

Location: Sec. 16 T. 17 R. 10 ¼ sec. NW¼

Type of well Artesian (Dug, driven, bored, or drilled) Equipment used Rotary (Churn, drill, rotary, other)

Water use: Domestic [x] Municipal [ ] Stock [x] Irrigation [x]

Industrial [ ] Drainage [ ] Other

Casing: 0 ft. to 340 ft. Type Galvanized Size 2"

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. to ft. . Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 40 lb./sq. in. on: Spot. 10, 1946 (date)

Pumping water level feet at 10 gal. per min.

How tested:

Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Have a cemented well six ft. deep with a 2" shut off valve 5' deep in the well.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	39	Overburden
39	115	Blue shale
115	155	Grey shale
155	298	Red shale
298	325	Alternating layers of sandstone & shale
325	333	Same as above
333	340	Sandstone with layers of hard sand
		Filed December 19, 1961 Water Well Log #82

Helena Independent Record

File No. .....

T 17 R 10

DUPLICATE

County .....

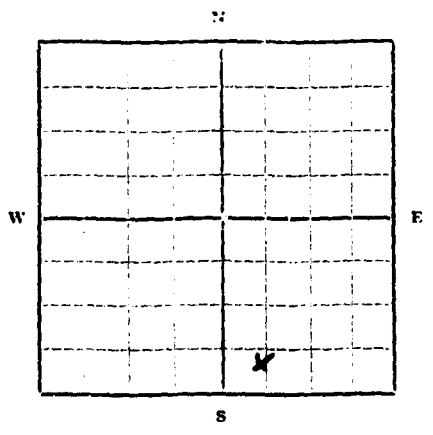
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 21 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Anna Williams**, of **Geyser**
(Name of Appropriator) (Address) (Town)
County of **Judith Basin** State of **Montana**
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW¼SE¼ ¼ Sec. **18** T **17** R **10**

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based **Domestic**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been **Drilled in 1948 by O. C. Thatcher and has been in continuous use.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute) **10 gallons per minute**

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof **No irrigation**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **Flowing well- No pump installed.**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Started in 1948 and completed that year.**

8. The depth of water table .....

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **Well is 114 feet in depth 2" casing installed to 114 ft. ~~Shut-off installed.~~ No shut-off installed but this is not a hard flowing well and is in constant use.**

10. The estimated amount of groundwater withdrawn each year **Not known.**

11. The log of formations encountered in the drilling of each well if available **No log available.**

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record **None**

Signature of Owner Anna Williams

Date **Nov. 14th, 1963.**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

#262

Vested Groundwater Rights

Anna Williams

SW¼SE¼ Sec18-17-10

121823

State of Montana

County of Judith Basin

Filed for record this 14th day of Nov. A.D. 1963 at 11:00 o'clock A.M.

Dal ght Leslie, Clk. & Rec.

by Betty Cruthers Dep

Fee $2.00 pd.

GV

Approved Stock Form — State Publishing Co., Helena, Montana

19

File No.....

T.....R. 6

DUPLICATE

County.....

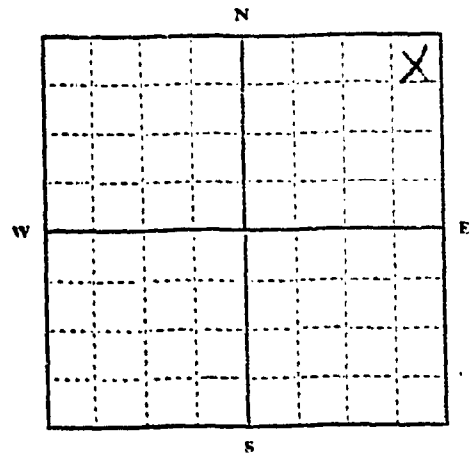
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. EVANS BROS of STANFORD
(Name of Appropriator) (Address) (Town)

County of JUDITH BASIN State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE1/4 Sec. 19 T. 17N R. 6E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based DOMESTIC AND LIVESTOCK

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1947 IN USE CONTINUOUSLY SINCE THIS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 18 GALLONS PER MINUTE

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof N/A

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal GRAVITY

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1947

8. The depth of water table NOT KNOWN

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater THIS IS AN ARTESIAN WELL 146 FT. DEEP WITH 2 INCH CASING

10. The estimated amount of groundwater withdrawn each year 190,000 GALLONS

11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record ~~N/A~~ NOT AVAILABLE

Signature of Owner Evans Bros by Tom Evans

Date Dec 31, 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

A-659

GW Helena Independent Record

File No. .....

T 17 R 10

DUPLICATE

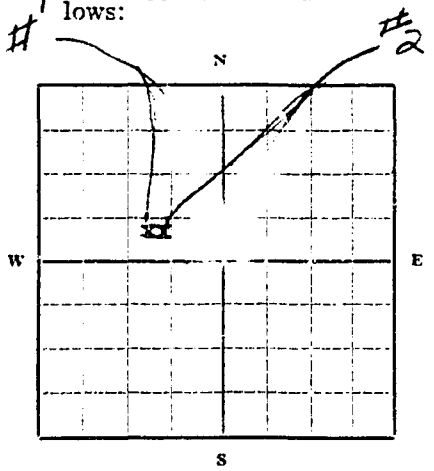
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Ben Huotari and Son of Geyser
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SWSENW
¼ Sec. 20 T. 17 R. 10

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based #1-- Stock Water #2-- Domestic use and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1-- ~~1946~~ 1943 and is in continuous use since that time. #2-- Water for the house. drilled around 1946.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1-- 1 Gallon per minute own flow #2-- 3 gallons per minute own flow.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No Irrigation on garden by well #2--

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal #1-- Hand pump installed with windmill but not in use because of own flow-- #2- No pump installed flowing well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater #1 well started in 1943 and completed that year-- #2 well started and completed in 1946.

8. The depth of water table #No. 1-- 70 Ft. #2- 110 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater #1 well- Depth 70 ft. 4" casing installed. Shut-off installed -- #2 well- Deputh 110 Ft.- 4" casing installed. Shut-off installed. #1 well drilled by Ray Brown--Gt. Falls-- #2- well - drilled by O. C. Thatcher.

10. The estimated amount of groundwater withdrawn each year Not known.

11. The log of formations encountered in the drilling of each well if available No logs available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None.

Signature of Owner Ben Huotari

Date Nov. 26th, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

32597

#320

Vested Groundwater Rights
Ben Hrotari & Son

Sec. 20-17-10

122038

State of Montana
County of Judith Basin
Filed for record this 18th
day of Dec. A.D. 1963 at 2:05
o'clock P.M.
Delight Leslie, Clk. & Rec.

by _____ Dep.

Fee $2.00 pd.

G

Approved Stock Form—State Publishing Co. Helena, Montana- 42234

File No. .....

T 11 R 10

DUPLICATE

County Jud Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

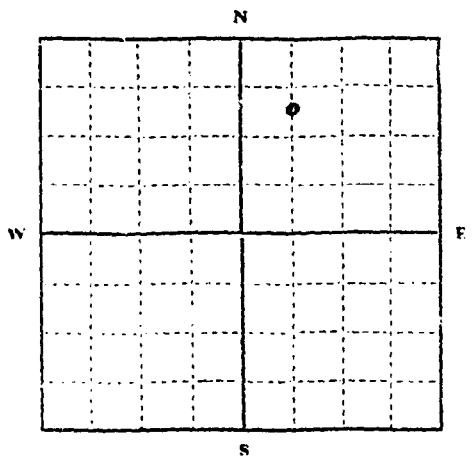
RECEIVED
JAN 15 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1 Robert D. Evans, of Geyser
(Name of Appropriator) (Address) (Town)

County of Judith Basin State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 Sec. 22 T. 17 R. 10

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1942 3-4 Months yearly

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 g.p.m.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump - Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater May 1942 May 1942

8. The depth of water table 30 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled 6 casing 70 ft.

10. The estimated amount of groundwater withdrawn each year 30,000

11. The log of formations encountered in the drilling of each well if available None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not applicable

Signature of Owner Robert & Emma

Date Dec. 29, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32857

581

Robert D. Evans et ux

Sec. 22-17-10

State of Montana
County of Judith Basin
Filed for record this
31st day of Dec. A.D. 1963
at 3:24 o'clock P.M.
Delight Leslie, Clerk & Rec.

by _____ Dep.

Fee $2.00 pd.

GV Helena Independent Record

File No.....

T. 17 R. 10

DUPLICATE

County Judith Basin

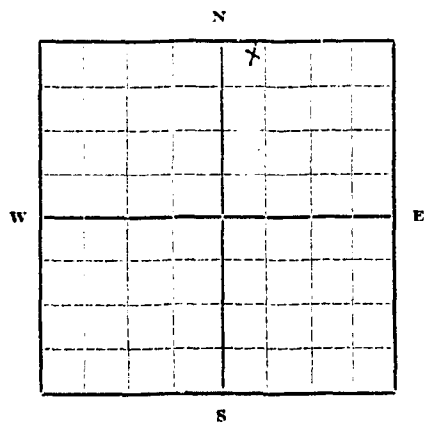
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. W. F. Lee & Sons (Name of Appropriator) of Stanford (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N½NW¼NE¼ ¼ Sec. 24 T 17 R 10

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
house, livestock, garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
August 1952

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gallon per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof garden

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Artesian well with natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
August 1952, cased with 2" galv. pipe

8. The depth of water table about 400 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
920 feet deep cased with 2" galv. pipe, perforated ¼" slotts last 50 feet, packed 80' with cement

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available
log on back of form

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

W. F. Lee & Sons

Signature of Owner W. F. Lee & Sons

Date Dec. 23, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

32619

#342

VESTED GROUNDWATER RIGHTS

W. F. LEE AND SONS

NWNE Sec. 24-17-10

122077

State of Montana
County of Judith Basin
Filed for record this 23rd
day of Dec. A. D. 1963 at 11:05
o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty Lou Brose Dep.
Fee $2.00 pd.

0 - 18 feet	Overburden
18 - 200	Blue Shale
200 - 355	Grey shale
355 - 380	Layers green sandstone & grey shale
380 - 440	Grey shale
440 - 600	Red shale
600 - 617	Hard sandstone
617 - 680	Layers hard shale and sandstone
680 - 690	Hard sandstone
690 - 750	Layers hard shale and sandstone
750 - 790	Sandy red shale
790 - 850	Hard sandstone
850 - 870	Soft sandstone
870 - 878	Hard sandstone
878 - 910	Soft coarse sandsone (water)
910 - 920	Hard sandstone

GV Helena Independent Record

File No. .....

T 17 R 10

DUPLICATE

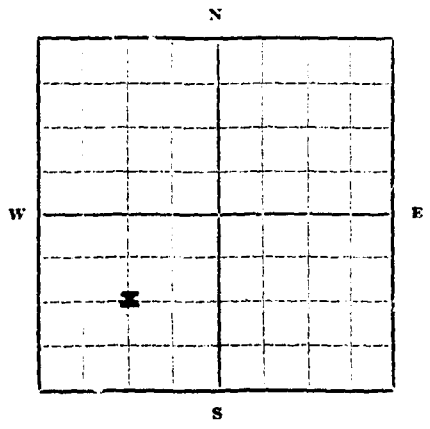
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. W. F. Lee & Sons of Stanford
(Name of Appropriator) (Address) (Town)
County of ..... State of .....
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW ¼ Sec. 26 T17 R 10.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
July 1948

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
July 1948

4. The amount of groundwater claimed (in miner's inches or gallons per minute) flowing well 3 gallon per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof livestock

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
flowing well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
July 1948

8. The depth of water table 50 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
330 feet deep cased with 2" galv. pipe cemented with packers at 80'
½ x 4" slotted perforations 310' to 330'.

10. The estimated amount of groundwater withdrawn each year unknown

11. The log of formations encountered in the drilling of each well if available
This is on State of Montana leased land
Log on reverse side.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

W. F. Lee & Sons

Signature of Owner W. F. Lee & Sons

Date Dec. 23, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

32618

#341

VESTED GROUNDWATER RIGHTS

W. F. LEE & SONS

SW 3sec. 26-17-10

122076

State of Montana
County of Judith Basin
Filed for record this
23rd. day of Dec. A.D. 1963
at 11:00 o'clock A.M.
Dalight Leslie, Clk. & Rec.
by Betty Cruthmore Dep

Fee $2.00 pd.

0 - 30 feet	Overburden
30 - 70	Grey shale
70 - 220	Red shale
22[illegible] - 300	Layers hard shale and sandstone
300 - 321	Hard sandstone
321 - 330	Soft Sandstone (Water.

GW -

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T. 17N R. 10E

DUPLICATE

County Judith Basin

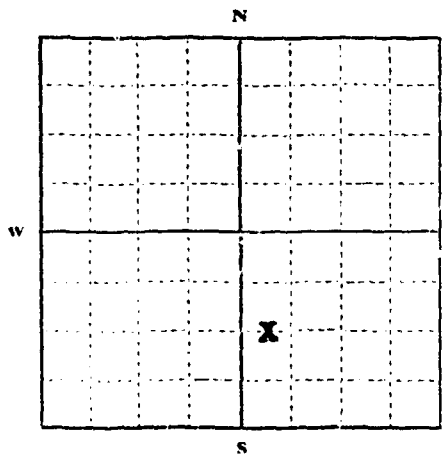
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 15 1964
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Charles R Oja, of Geyser
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE ¼ Sec. 28 T17N R.10E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic use and for stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been This well was originally drilled in 1931 and was deepened in 1956. It has been used continuously since 1931.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof It has been used for a garden, approximatly one-half acre in size, near the well site.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Artesian with two inch casing

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater The well was originally drilled in 1931 and was deepened in October of 1956.

8. The depth of water table Ground water is available at approximately 25 feet and the artesian flow came at about 320 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater It is 320 feet deep and is cased with two inch galvanized pipe. I also have a pipeline of three-quarter inch pipe, 3150 feet long running into the NE Quarter of Sec 28, TWP 17N, Range 10E.

10. The estimated amount of groundwater withdrawn each year 2,600,000 gallons

11. The log of formations encountered in the drilling of each well if available The log is not availabl but the water comes out of the Kootenai formation.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Charles R Oja

Date Dec 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32775

499

[illegible] GROUND WATER RIGHTS

Charles R. Oja

Sec. 28-17-10

State of Mon[illegible]
County of Judit[illegible] Basin
Filed for record this
31st day of Dec. A.D. 1963
at 10:50 o'clock A.M.
Delight Leslie, Clk. & Rec.

by_____ Dep.

GV —Helena Independent Record

File No. .....

T 17 R 10

DUPLICATE

County Judith Basin

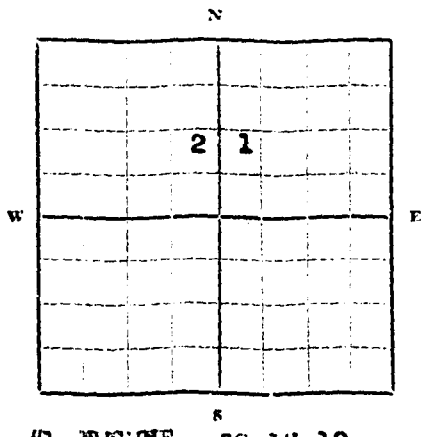
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Ben Huotari and Son of Geyser
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1. 1962, as follows:



#1- NWSWNE 29-17-10
#2- NESENW 29-17-10
.... ¼ ..... Sec..... T..... R.....

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based
#1-- Stock Water #2-- Stock Water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been #1-Drilled aprox. 1943 and #2- Approximately 1951- and are in continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) #1 -- Pump well - 20 gallons per minute
#2- Flowing well- 3 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Water flows down in pasture when trough is full on #2 well.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
#1-- Hand pump with windmill installed.
#2- flowing well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater #1- started 1943 and completed that years and drilled by Ray Brown of Gt. Falls #2- well started and completed 1951 and O. C. Thatcher.

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater #1 well 50 ft. in depth- 6" casing installed
#2 well 600 Ft. in Depth- flowing well with 3" casing installed.

10. The estimated amount of groundwater withdrawn each year Not known

11. The log of formations encountered in the drilling of each well if available
No logs available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None.

Signature of Owner Ben Huotari

Date Dec. 18, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

32596

4519

Vested Groundwater Rights

Ben Manotari and Son

Sec. 29-17-10

122037

State of Montana
County of Judith Basin
Filed for record this 18th
day of Dec. A.D. 1965 at 2:00
o'clock P.M.
Delight Leslie, Clerk and R.

by _____ Dep

Fee $2.00